

HY-8600M5

Digital 5G Conference Controller (Wireless & Wired Purpose)

Description

- Uses high-performance FPGA, dual MCU processors, large-capacity FLASH and DDR memory to achieve full digital signal transmission and processing, complying with IEC60065 international standards
- Employs 5.8G full digital frequency hopping (DSSS) modulation communication technology, fully compatible with Wi-Fi, with strong anti-interference capability
- Features functions such as conference discussion, attendance check-in, video tracking, service call, short messaging, desk nameplate display, voting, and simultaneous interpretation
- Uses high-quality aluminum alloy embedded glass panel, equipped with a 5.0" TFT HD touch screen, capable of completing system setup independently from a computer, facilitating installation, debugging
- Equipped with 8units output interfaces, supports ring connection to form 4 loops, uses RJ45 network interface, and a single host supports connection of 120 units
- Expands wired system capacity to 76,800 units and wireless system capacity to 4,096 units
- Provides seven conference modes: FIFO, LIFO, request to speak, queue speaking, free mode, chairman mode, and voice control mode
- Equipped with one 3.5mm voice monitoring interface and five mode indicator lights
- The number of speakers can be set from 1 to 32, and wired free discussion mode can be fully opened without restrictions
- Supports 32KHz and 48KHz uncompressed audio transmission sampling rates, frequency response of 20Hz-20KHz, audio delay less than 5ms, can use shielded cables of category 5 or above, ensuring reliable long-distance
- Upgradable high-performance host DSP processor with ten-band PEQ adjustment, mixed output gain, noise control, automatic gain, feedback cancellation, echo cancellation, volume and other adjustment functions
- Upgradable high-performance unit DSP processor with independent adjustment of all microphone units' five-band PEQ, MIC gain, speaker, left/right channel headphone monitoring volume, and other adjustment
- Audio input interfaces include 6 Phoenix connector ports and 1 XLR connector port; audio output interfaces include 2 XLR connector ports and 18 Phoenix connector ports
- Equipped with 6 Phoenix ports supporting 6-channel audio input, selectable mixed output function and simple simultaneous interpretation mode, each input channel can independently adjust gain and ha...
- Equipped with 18 Phoenix ports supporting 18-channel audio output, flexibly configurable as role separation output mode, simultaneous interpretation output mode, or phased output mode, with PEQ, volume and other parameters adjustable for each output channel

Specifications

Mechanical	
Power Supply	AC100~240V 50/60Hz
Power Consumption	Idle 10W, Maximum 200W
System Capacity	Single host supports connection of 120 units
Display	5.0" TFT high-definition touch screen
Display Menu	Chinese, English, Russian, French, Spanish (WEB interface)
Frequency Response	20Hz~20KHz
Signal-to-Noise Ratio	>96 dB
Dynamic Range	106dB
Total Harmonic Distortion	< 0.05%
Output Impedance	47 KΩ
Audio Output	1 XLR analog, 1 XLR digital interface, 18 balanced 3-pin Phoenix terminal interfaces
Audio Input	6 balanced 3-pin Phoenix terminal interfaces, 1 XLR interface
Fire Alarm Signal Interface	Available (2-pin Phoenix terminal interface)
Video Interface	4 inputs and 1 output HDMI video interface
Cascade Interface	RJ45 × 2
CONTROL Interface	3 RS232 (3-pin Phoenix terminal interfaces)
CAMERA Interface	1 × RS232 / 1 × RS485 control interface
Simultaneous Interpretation	64 channels

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